

Title (en)  
LIGHT-EMITTING ELEMENT, LIGHT-EMITTING DEVICE USING THE LIGHT-EMITTING ELEMENT, AND TRANSPARENT SUBSTRATE USED IN LIGHT-EMITTING ELEMENTS

Title (de)  
LICHEMITTIERENDES ELEMENT, LICHEMITTIERENDE ANORDNUNG MIT DEM LICHEMITTIERENDEN ELEMENT UND IN LICHEMITTIERENDEN ELEMENTEN VERWENDETES TRANSPARENTES SUBSTRAT

Title (fr)  
ÉLÉMENT ÉMETTEUR DE LUMIÈRE, DISPOSITIF ÉMETTEUR DE LUMIÈRE L UTILISANT ET SUBSTRAT TRANSPARENT UTILISÉ DANS DES ÉLÉMENTS ÉMETTEURS DE LUMIÈRE

Publication  
**EP 2378837 A4 20130306 (EN)**

Application  
**EP 09831793 A 20091112**

Priority  
• JP 2009069275 W 20091112  
• JP 2008316343 A 20081212

Abstract (en)  
[origin: EP2378837A1] In order to improve the light extraction efficiency of a light-emitting element, the light-emitting element includes: a light-emitting layer provided between an electrode and a transparent substrate; a particle layer provided between the light-emitting layer and the transparent substrate; and an adhesive layer provided between the light-emitting layer and the particle layer, the particle layer includes particles having a refraction index that is higher than a refraction index of the transparent substrate, the adhesive layer has a refraction index that is higher than the refraction index of the transparent substrate, and the particle layer has an average thickness that is less than an average particle size of the particles.

IPC 8 full level  
**H05B 33/02** (2006.01); **H01L 51/50** (2006.01); **H05B 33/10** (2006.01)

CPC (source: EP US)  
**H01L 33/44** (2013.01 - US); **H05B 33/10** (2013.01 - EP US); **H10K 50/854** (2023.02 - US); **H10K 77/10** (2023.02 - EP US); **H10K 50/854** (2023.02 - EP); **Y02E 10/549** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US); **Y10T 428/1476** (2015.01 - EP US)

Citation (search report)  
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